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OPTIMIZED SWITCH CARD

Abstract of the Disclosure

5 An optimized network (300), includes providing a switch card topology (350)
having a plurality of switching elements (305), where the plurality of switching elements
are arranged to form a switch configuration (303). N number of payload interfaces (307)
are coupled to the switch configuration, where each of the N number of payload interfaces
is coupled to interface with one of a plurality of payload slots (308). A set of N payload
10 module configurations (402, 502) is characterized by a sequential addition (320) of a
payload module (304) into each of the plurality of payload slots, where the sequential
addition of the payload module couples the payload module to the network. N number of
payload interfaces are coupled to the switch configuration such that a latency function
(616) is minimized for the switch configuration and the set of N payload module
15 configurations.